

101215-219

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
101215-219

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE, U.S. DEPARTMENT OF COMMERCE
(REV. 7-2005)

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO. PCT/DE2004/002161	INTERNATIONAL FILING DATE September 23, 2004	PRIORITY DATE CLAIMED September 23, 2003
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TITLE OF INVENTION Method for Conducting Non-Invasive Early Detection of Colon Cancer and/or of Colon Cancer Precursor Cells		
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APPLICANT(S) FOR DO/EO/US Pablo STEINBERG		
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Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. A **FIRST** preliminary amendment.
16. A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. A substitute specification.
18. A power of attorney and/or change of address letter.
19. A computer-readable form of the sequence listing in accordance with PCT Rule 13/er.2 and 37 CFR 1.821 - 1.825.
20. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. Express Mail Label No. EV 690630131 US

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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<p>23. Other items or information:</p> <p><input checked="" type="checkbox"/> Application Data Sheet <input checked="" type="checkbox"/> Express Mail Certificate <input checked="" type="checkbox"/> Return Receipt Postcard</p>																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: left; padding: 5px;">The following fees have been submitted:</td> <td style="text-align: center; padding: 5px;">CALCULATIONS</td> <td style="text-align: center; padding: 5px;">PTO USE</td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">24. <input checked="" type="checkbox"/> Basic national fee</td> <td style="text-align: center; padding: 5px;">\$ 300</td> <td style="text-align: center; padding: 5px;">\$ 300.00</td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td style="text-align: center; padding: 5px;">\$ 0</td> <td style="text-align: center; padding: 5px;">\$ 200.00</td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">All other situations</td> <td style="text-align: center; padding: 5px;">\$ 200</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">26. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td style="text-align: center; padding: 5px;">\$ 0</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority</td> <td style="text-align: center; padding: 5px;">\$ 100</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB</td> <td style="text-align: center; padding: 5px;">\$ 400</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">All other situations</td> <td style="text-align: center; padding: 5px;">\$ 500</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">TOTAL OF 24, 25 and 26 =</td> <td style="text-align: center; padding: 5px;">\$ 1,000.00</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: left; padding: 5px;"><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(l)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</td> </tr> <tr> <td style="width: 15%;">Total Sheets</td> <td style="width: 15%;">Extra Sheets</td> <td style="width: 30%;">Number of each additional 50 or fraction thereof (round up to a whole)</td> <td style="width: 15%;">RATE</td> <td style="width: 25%;"></td> </tr> <tr> <td>34 - 100 =</td> <td>0 /50 =</td> <td>0</td> <td style="text-align: center;">x \$250.00</td> <td style="text-align: center;">\$ 0.00</td> </tr> <tr> <td colspan="5" style="text-align: left; padding: 5px;">Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> </tr> <tr> <td style="width: 15%;">CLAIMS</td> <td style="width: 15%;">NUMBER FILED</td> <td style="width: 30%;">NUMBER EXTRA</td> <td style="width: 15%;">RATE</td> <td style="width: 25%;"></td> </tr> <tr> <td>Total claims</td> <td>9 - 20 =</td> <td>0</td> <td style="text-align: center;">x \$50.00</td> <td style="text-align: center;">\$ 0.00</td> </tr> <tr> <td>Independent claims</td> <td>4 - 3 =</td> <td>1</td> <td style="text-align: center;">x \$200.00</td> <td style="text-align: center;">\$ 200.00</td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">MULTIPLE DEPENDENT CLAIMS (if applicable)</td> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 5px;">+ \$360.00</td> <td style="text-align: center; padding: 5px;">\$ 0.00</td> </tr> <tr> <td colspan="4" style="text-align: right; padding: 5px;">TOTAL OF ABOVE CALCULATIONS =</td> <td style="text-align: center; padding: 5px;">\$ 1,200.00</td> </tr> <tr> <td colspan="5" style="text-align: left; padding: 5px;"><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.</td> </tr> <tr> <td colspan="5" style="text-align: right; padding: 5px;">SUBTOTAL = \$ 600.00</td> </tr> <tr> <td colspan="5" style="text-align: left; padding: 5px;">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)).</td> </tr> <tr> <td colspan="5" style="text-align: right; padding: 5px;">TOTAL NATIONAL FEE = \$ 600.00</td> </tr> <tr> <td colspan="5" style="text-align: left; padding: 5px;">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ 0.00</td> </tr> <tr> <td colspan="5" style="text-align: right; padding: 5px;">TOTAL FEES ENCLOSED = \$ 600.00</td> </tr> <tr> <td colspan="4" style="text-align: right; padding: 5px;">Amount to be</td> <td style="text-align: center; padding: 5px;">\$</td> </tr> <tr> <td colspan="4" style="text-align: right; padding: 5px;">Amount to be</td> <td style="text-align: center; padding: 5px;">\$</td> </tr> </table>					The following fees have been submitted:		CALCULATIONS	PTO USE	24. <input checked="" type="checkbox"/> Basic national fee		\$ 300	\$ 300.00	25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		\$ 0	\$ 200.00	All other situations		\$ 200		26. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		\$ 0		Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority		\$ 100		International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB		\$ 400		All other situations		\$ 500		TOTAL OF 24, 25 and 26 =		\$ 1,000.00		<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(l)). 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PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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a. A check in the amount of \$ _____ to cover the above fees is enclosed.

b. Please charge my Deposit Account No. 14-1263 in the amount of \$ \$600.00 to cover the above fees. A duplicate copy of this sheet is enclosed.

c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1263. A duplicate copy of this sheet is enclosed.

d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Bruce S. Londa
Reg. No. 33,531
Norris McLaughlin & Marcus, P.A.
875 Third Avenue
18th Floor
New York, NY 10022

[Signature]
/ SIGNATURE

Bruce S. Londa

NAME

33,531

REGISTRATION NUMBER

March 23, 2006

DATE

101573134

101573134-0 23 MAR 2006
101215-219/BSL

APPLICANT: Pablo STEINBERG

TITLE: Method for Conducting Non-Invasive Early Detection of Colon Cancer
and/or of Colon Cancer Precursor Cells

This is a 371 of PCT/DE2004/002161

EXPRESS MAIL CERTIFICATE

"Express Mail" mailing label number EV 690630131 US

Date of Deposit March 23, 2006

I hereby certify that the following items:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US)
Concerning a Filing Under 35 U.S.C. 371 in duplicate - **CHARGE DEPOSIT
ACCOUNT**
2. Application Data Sheet
3. Copy of application as published - WO 2005/030788 A2
4. English Translation of Specification consisting of description (pages 1-20), 10 claims
(pages 21-24); Sequence Listing (10 pages)
5. Preliminary Amendment with Marked-up Specification and Substitute Specification
6. Statement Regarding the Sequence Listing with diskette containing a computer
readable form of Sequence Listing
7. Return Receipt Postcard

are being deposited with the United States Postal Services "Express Mail Post Office to
Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the:
Mail Stop PCT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

NORRIS, McLAUGHLIN & MARCUS, P.A.

By 

Tina Marie Manor